

Title (en)  
SIDE CHANNEL BLOWER, IN PARTICULAR FOR A VEHICLE HEATING DEVICE

Title (de)  
SEITENKANALGEBLÄSE, INSBESONDERE FÜR EIN FAHRZEUGHEIZGERÄT

Title (fr)  
VENTILATEUR À CANAL LATÉRAL, EN PARTICULIER POUR UN APPAREIL DE CHAUFFAGE DE VÉHICULE

Publication  
**EP 3252315 B1 20190424 (DE)**

Application  
**EP 17172996 A 20170526**

Priority  
DE 102016109994 A 20160531

Abstract (en)  
[origin: US2017342859A1] A heater side channel blower includes a blower housing (12) with a bottom wall (14) and a circumferential wall (16), that enclose a first flow chamber in a housing interior (18). A ring-shaped delivery duct (22), open towards an outer side of the blower housing (12), is provided at the bottom wall (14). A flow medium inlet (50), for the entry of medium to be delivered into the housing interior (18), is open towards the first flow chamber. A second flow chamber (42) is provided in the housing interior (18). A flow medium outlet (52), for the discharge of medium to be delivered from the housing interior (18), is open towards the delivery duct (22) to the second flow chamber (42). The first flow chamber is separated from the second flow chamber (42) by at least one chamber separation element (60, 62) that is permeable to medium to be delivered.

IPC 8 full level  
**F04D 23/00** (2006.01); **F04D 29/40** (2006.01); **F04D 29/66** (2006.01)

CPC (source: CN EP RU US)  
**F01D 1/00** (2013.01 - US); **F01D 9/02** (2013.01 - US); **F01D 25/24** (2013.01 - US); **F04D 23/00** (2013.01 - CN RU);  
**F04D 23/008** (2013.01 - EP US); **F04D 29/403** (2013.01 - EP US); **F04D 29/663** (2013.01 - CN US); **F04D 29/665** (2013.01 - EP US);  
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Cited by  
EP3401594A1; US11524552B2

Designated contracting state (EPC)  
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DE 102016109994 A1 20171130; RU 2649156 C1 20180330; US 10527044 B2 20200107; US 2017342859 A1 20171130

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